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IN THE CLAIMS

Attached is a listing of claims in accordance with 37 C.F.R. §1.121 (Revised Amendment Practice.) Claims 1, 3 and 4 have been currently amended, claims 2 and 13-99 have been currently cancelled and claims 100-106 have been currently added.

1. (Currently Amended) An electrode head including at least one bio-compatible electrode, comprising:

a plurality of at least one printed circuit boards (PCB), each having a face area and a thickness, attached along their face areas; and

at least one bio-compatible electrode extending from the thickness of the ^{at least one} printed circuit board. ^{the plurality of}

2. (Cancelled)

3. (Currently Amended) An electrode head according to claim 12, wherein the plurality of printed circuit boards are attached with an adhesive which has at least 70% alcohol resistance.

AI → 4. (Currently Amended) An electrode head according to claim 12, wherein the at least one electrode comprises at least one electrode extending from each of the plurality of printed circuit boards (PCBs).

5. (Original) An electrode head according to claim 4, wherein the at least one electrode extending from each of the plurality of PCBs comprises at least eight electrodes extending from each of the PCBs.

6. (Original) An electrode head according to claim 1, wherein the at least one electrode comprises a plurality of electrodes which are held by the electrode head at fixed relative positions.

7. (Original) An electrode head according to claim 1, comprising at least one leading wire running along the at least one PCB and wherein the leading wire is formed as a single piece with one of the electrodes.

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8. (Original) An electrode head according to claim 1, wherein the at least one electrode comprises at least one electrode tapered toward an end of the electrode, distal from the PCB.

9. (Original) An electrode head including at least one bio-compatible electrode, comprising:

a plurality of printed circuit boards (PCBs); and

a plurality of electrodes extending from the printed circuit boards, the electrodes being held by the circuit boards at fixed relative positions.

10. (Original) An electrode head according to claim 9, wherein the plurality of electrodes comprise gold plated electrodes.

11. (Original) An electrode head including at least one bio-compatible electrode, comprising:

a plurality of printed circuit boards (PCB), each having a face area and a thickness, each of the PCBs being positioned with respect to at least one other PCB such that at least a portion of its face area overlaps most of the face area of the other PCB; and

at least one bio-compatible electrode extending from at least one of the printed circuit boards.

12. (Original) An electrode head according to claim 11, wherein each of the PCBs is connected to at least one other PCB such that substantially all of its face area overlaps substantially all of the face area of the other PCB.

13.-99. (Cancelled)

100. (New) An electrode head according to claim 1, wherein each of the PCBs is connected to at least one other PCB such that substantially all of its face area overlaps substantially all of the face area of the other PCB.

101. (New) An electrode head according to claim 11, wherein the plurality of printed circuit boards are attached with an adhesive which has at least 70% alcohol resistance.

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102. (New) An electrode head according to claim 11, wherein the at least one electrode comprises at least one electrode extending from each of the plurality of printed circuit boards (PCBs).

103. (New) An electrode head according to claim 102, wherein the at least one electrode extending from each of the plurality of PCBs comprises at least eight electrodes extending from each of the PCBs.

104. (New) An electrode head according to claim 11, wherein the at least one electrode comprises a plurality of electrodes which are held by the electrode head at fixed relative positions.

105. (New) An electrode head according to claim 11, comprising at least one leading wire running along at least one of the PCBs and wherein the leading wire is formed as a single piece with one of the electrodes.

106. (New) An electrode head according to claim 11, wherein the at least one electrode comprises at least one electrode tapered toward an end of the electrode, distal from the PCB.